

Nateglinide effectively controls prandial glycemia in subjects with impaired glucose tolerance

Christiane Guitard,¹ Patrick Brunel,¹ Monique Hoyer,¹ Eckhard Pecher,¹ James Agnew²

ABSTRACT

[illegible]

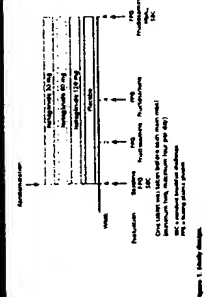
INTRODUCTION

We then compared different DOTS regimens (Type 1 and Type 2) to a standard 3-drug isoniazid-based regimen (Type 3) in terms of effectiveness, tolerability, and cost. Isoniazid-based regimens were chosen as the standard of care because of their long history of effectiveness and low cost. The effectiveness of the regimens was assessed by comparing the proportion of patients who were cured or converted to negative sputum smears at the end of treatment. The tolerability of the regimens was assessed by comparing the proportion of patients who completed the full course of treatment without any adverse effects. The cost of the regimens was assessed by comparing the total cost of treatment for each patient. The results of the study are presented in Table 1. The effectiveness of the regimens was similar, with Type 1 and Type 2 regimens showing higher cure rates than Type 3. The tolerability of the regimens was also similar, with Type 1 and Type 2 regimens showing higher completion rates than Type 3. The cost of the regimens was lowest for Type 3, but the difference was not statistically significant.

METHODS

[illegible]

METHODS (cont'd)



Safety endpoints
Incidence of severe hypoglycemia (grade 3 symptoms, i.e. requiring external help).
Number of discontinuations due to hypoglycemia.
Incidence of confirmed hypoglycemic events (blood glucose ≤ 3 mmol/l corresponding to plasma glucose of ≤ 7 mmol/l).
Incidence of other adverse events (AE).

RESULTS (cont'd)



Incidence of other adverse events

RESULTS (cont'd)

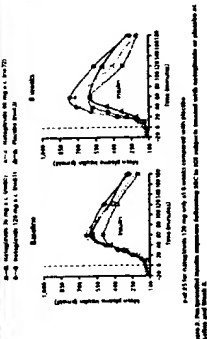


Fig. 2. Proliferated lymphocytes expressing iNOS in K562 subjects treated with hydrocortisone or placebo during and week 8.

RESULTS (cont'd)

Experiment	Number of mice (n)	Mean Survival Time (days)	Standard Error (days)	Mean Survival Time (days)	Standard Error (days)	Life Expectancy at Birth (days)	Life Expectancy at Birth (days)
Experiment 1	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 2	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 3	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 4	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 5	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 6	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 7	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 8	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 9	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 10	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 11	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 12	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 13	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 14	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 15	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 16	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 17	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 18	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 19	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 20	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 21	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 22	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 23	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 24	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 25	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 26	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 27	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 28	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 29	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 30	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 31	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 32	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 33	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 34	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 35	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 36	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 37	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 38	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 39	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 40	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 41	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 42	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 43	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 44	75	10.00	0.50	10.00	0.50	10.00	10.00
Experiment 45	75	10.00	0.50	10.00	0.50	10.00	10.00

number of subjects with observations at both baseline and endpoint

SUMMARY

- haloperidol 150 and 300 mg \cdot d $^{-1}$ dose were associated with a low incidence of hypokalaemia and all events were mild.

DISCUSSION

- This study shows that 2.40 mg s.c. dose of naltrexone is well tolerated, effective and has an excellent safety profile in GT subjects.
- The results of the study indicate that naltrexone improves the results according to profile in GT subjects and related psychiatric symptoms.
- The modest effect of naltrexone on the craving and drug use reported in this population, when compared with the results of other studies, indicates naltrexone may be useful postoperative adjunct.
- The results of this study, taken alongside other studies, indicate naltrexone may be useful to treat substance abuse in this population.
- These results are dear and the use of naltrexone particularly suitable to treat subjects with a history of relapse.
- The study provides support for the use of naltrexone in the long-term study in GT subjects.
- The results of this study indicate that naltrexone may be useful to treat subjects with a history of relapse.
- The effect of naltrexone and abstinence on progression to death and prevention of cardiovascular morbidity and mortality (DAVIDSON) is also being studied.

REFERENCES

- [illegible]

DEFINITE

[illegible]

1997-1998

Efficacy

- Primary antibodies
- a) Following SSC, all three doses of nateginide enhanced early insulin secretion compared with baseline and placebo, shifting the insulin concentration curve to the left (Figure 3).
- b) Insulin concentration returned to baseline levels after 175–180 minutes.
- c) The nateginide 60 and 120 mg *a.c.* doses showed similar insulinogenic and secretory effects at stimulating early insulin release than the nateginide 30 mg *a.c.* dose.
- d) Following SSC, all three doses of nateginide decreased post-prandial glucose concentration by 1 mmol/L compared with baseline and placebo (Figure 4).
- e) The mean decrease from baseline in PPG concentration over 3 hours (ΔAUC_{0-3}) are shown in Table 3.